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INTERNATIONAL SEARCH REPORT

International application No.

PCT/ES02/00422

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B22D 7/10, B22C 9/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CIBEPAT, EPODOC, WPI, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ES 2155001 A (KEMEN RECUPAC S.A.) 16.04.2001. columns 7 and 11, claims 1-5 and 16-17	1-5, 7, 9, 10
A	US 5252526 A (WHITTEMORE) 12.10.1993. the whole document	1-11
A	ES 2143544 A (FOSECO INTERNATIONAL LTD.) 07.02.1996. columns 5-6	1-11

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

8 octubre 2002 (08.10.2002)

Date of mailing of the international search report

17 OCT 2002 17.10.02

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/ES02/00422

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
ES 2155001 A	16.04.2001	US 6414053A WO 9803284 A ES 2114500 A AU 3444597 A ZA 9706383 A NO 9900211 A EP 913215 A CZ 9900148 A TW 358048 A ES 2134729 A CN 1230139 A BR 9702346 A MX 9802106 A HU 200000440 A JP 2000514364 A AU 729049 A US 6197850 A US 201000180 A KR 2000064241 A RU 2176575 A	02.07.2002 29.01.1998 16.05.1998 10.02.1998 27.05.1998 11.03.1989 06.05.1999 11.08.1999 11.05.1999 01.10.1999 29.09.1999 28.12.1999 01.10.1998 28.06.2000 31.10.2001 25.01.2001 06.03.2001 05.04.2001 06.11.2001 10.12.2001
US 5252526 A	12.10.1993	NONE	
ES 2143544 A	07.02.1996	NONE	